

IN THE CLAIMS

1. (Currently Amended) A printer comprising:
at least one ink-ejecting mechanism, the at least one ink-ejecting mechanism having a printer head having a print width;
a plurality of head chips formed on the printer head; and
a plurality of nozzles formed within a plurality of nozzle arrays positioned on a single nozzle plate, the plurality of nozzles associated with each head chip, wherein nozzles associated with one head chip and nozzles associated with an adjacent head chip partly overlap along at least one direction to form an overlapped area on a print object such that when the at least one ink-ejecting mechanism drives across the print object the nozzles of the one head chip and the nozzles of the adjacent head chip respectively eject inks which are mixed in the overlapped area to reduce dot density differences on the print object, wherein the printer head comprises not more than one nozzle plate,

wherein the ink-ejecting mechanism is driven such that there is a shiftable boundary in the overlapped area, inks ejected from the one head chip being only on a first side of the shiftable boundary and inks ejected from the adjacent head chip being only on an opposite side of the shiftable boundary.

2. (Cancelled).

3. (Cancelled).

4. (Currently Amended) The printer according to claim 1 3, wherein the boundary is shifted in accordance with the print object.

5. (Currently Amended) A printer head having a print width comprising:
at least one ink-ejecting mechanism;
at least one head chip formed on the at least one ink-ejecting mechanism; and
a plurality of nozzles formed within a plurality of nozzle arrays positioned on a single nozzle plate, the plurality of nozzles associated with each head chip, wherein nozzles associated

with one head chip and nozzles associated with an adjacent head chip partly overlap along at least one direction to form an overlapped area on a print object such that when the at least one ink-ejecting mechanism drives across the print object the nozzles of the one head chip and the nozzles of the adjacent head chip respectively eject inks which are mixed in the overlapped area to reduce dot density differences on the print object,

wherein the ink-ejecting mechanism is driven such that there is a shiftable boundary in the overlapped area, inks ejected from the one head chip being only on a first side of the shiftable boundary and inks ejected from the adjacent head chip being only on an opposite side of the shiftable boundary.

6. (Currently Amended) A printer for ejecting ink droplets from predetermined nozzles to form an image onto a print object, comprising:

at least one ink-ejecting mechanism, the at least one ink-ejecting mechanism having a printer head having a print width;

at least one head chip formed on the printer head, the at least one head chip being formed in an array pattern on the printer head; and

a plurality of nozzles formed on a single nozzle plate in a nozzle array, wherein nozzles associated with one head chip and nozzles associated with an adjacent head chip partly overlap along at least one direction to form an overlapped area on a print object such that when the at least one ink-ejecting mechanism drives across the print object the nozzles of the one head chip and the nozzles of the adjacent head chip respectively eject inks which are mixed in the overlapped area to reduce dot density differences on the print object,

wherein the ink-ejecting mechanism is driven such that there is a shiftable boundary in the overlapped area, inks ejected from the one head chip being only on a first side of the shiftable boundary and inks ejected from the adjacent head chip being only on an opposite side of the shiftable boundary.

7. (Previously Presented) A printer according to Claim 6, wherein the nozzles are placed on the nozzle plate almost as wide as the print object to form the nozzle array in a direction perpendicular to the feeding direction of the print object.

Claims 8-17 (Cancelled).

18. (Currently Amended) A printer head having a print width, comprising:
at least one ink-ejecting mechanism;
at least one head chip formed on the printer head, the at least one head chip being formed in an array pattern on the printer head; and
a plurality of nozzles formed on a single nozzle plate in a nozzle array, wherein nozzles associated with one head chip and nozzles associated with an adjacent head chip partly overlap along at least one direction to form an overlapped area on a print object such that when the at least one ink-ejecting mechanism drives across the print object the nozzles of the one head chip and the nozzles of the adjacent head chip respectively eject inks which are mixed in the overlapped area to reduce dot density differences on the print object,
wherein the ink-ejecting mechanism is driven such that there is a shiftable boundary in the overlapped area, inks ejected from the one head chip being only on a first side of the shiftable boundary and inks ejected from the adjacent head chip being only on an opposite side of the shiftable boundary.

19. (Previously Presented) A printer head according to Claim 18, wherein the nozzles are placed on the nozzle plate almost as wide as the print object to form the nozzle array in a direction perpendicular to the feeding direction of said print object.

Claims 20-27 (Cancelled)

28. (Currently Amended) A printer head comprising:
at least one ink-ejecting mechanism for ejecting predetermined colors of ink droplets from predetermined nozzles sequentially placed to form a head chip;
as many of said head chips as necessary for said predetermined colors, said head chips aligned to form said printer head, wherein said nozzles are formed on a single nozzle plate;

as many of said nozzles as necessary for said head chips ~~to be~~ are formed and as many of said nozzles as necessary for said predetermined colors are formed; and

as many of said plurality of head chips necessary for said predetermined colors are placed on said nozzle plate to form said printer head, wherein said nozzles are placed on said nozzle plate almost as wide as said print object to form a nozzle array in a direction perpendicular to the feeding direction of said print object, and a plurality of nozzle arrays are formed for each color of said ink,

wherein nozzles associated with one head chip and nozzles associated with an adjacent head chip partly overlap along at least one direction to form an overlapped area on said print object such that when the at least one ink-ejecting mechanism drives across said print object the nozzles of the one head chip and the nozzles of the adjacent head chip respectively eject inks which are mixed in the overlapped area to reduce dot density differences on said print object, and

wherein the at least one ink-ejecting mechanism is driven such that there is a shiftable boundary in the overlapped area, inks ejected from the one head chip being only on a first side of the shiftable boundary and inks ejected from the adjacent head chip being only on an opposite side of the shiftable boundary.

29. (Currently Amended) A printer head comprising:

at least one ink-ejecting mechanism for ejecting predetermined colors of ink droplets from predetermined nozzles sequentially placed to form a head chip;

as many of said head chips as necessary for said predetermined colors, said head chips aligned to form said printer head, wherein said nozzles are formed on a single nozzle plate;

as many of said nozzles as necessary for said head chips to be are formed and as many of said nozzles as necessary for said predetermined colors are formed; and

as many of said plurality of head chips necessary for said predetermined colors are placed on said nozzle plate to form said printer head, wherein some of said plurality of nozzles allocated to one head chip are placed so as to be partly overlapped with a plurality of nozzles allocated to the adjacent head chips at the adjacent head chips, as viewed from the direction of feeding a print object, in order to said ink droplets to be adhered to almost the same point,

wherein nozzles associated with one head chip and nozzles associated with an adjacent head chip partly overlap along at least one direction to form an overlapped area on said print object such that when the at least one ink-ejecting mechanism drives across said print object the nozzles of the one head chip and the nozzles of the adjacent head chip respectively eject inks which are mixed in the overlapped area to reduce dot density differences on said print object, and

wherein the at least one ink-ejecting mechanism is driven such that there is a shiftable boundary in the overlapped area, inks ejected from the one head chip being only on a first side of the shiftable boundary and inks ejected from the adjacent head chip being only on an opposite side of the shiftable boundary.